



## **XERCAST 70-M PLUS**

### **PRODUCT DATA SHEET**

**XERCAST 70-M PLUS** is a low cement, mullite-based castable with good thermal shock resistance for service temperatures up to 3200°F. This refractory product is designed to be cast into place using vibration.

|   |  |
|---|--|
| <b>Recommended Service Temperature</b>              | <b>3200°F</b>  |
| <b>Water Required for Mixing (as a % of weight)</b> | <b>5.0-6.0 %</b>                                       |
| <b>Material Required Per Cubic Foot</b>             | <b>164 lbs.</b>  |
| <b>Packaging</b>                                    | <b>64 - 55lb bags /pallet<br/>1,000+lb Super Sacks</b> |

#### **TYPICAL CHEMICAL ANALYSIS**

| <b>Al<sub>2</sub>O<sub>3</sub></b> | <b>SiO<sub>2</sub></b> | <b>CaO</b> | <b>TiO<sub>2</sub></b> | <b>Fe<sub>2</sub>O<sub>3</sub></b> |
|------------------------------------|------------------------|------------|------------------------|------------------------------------|
| 70                                 | 25                     | 1.6        | 2.2                    | 0.8                                |

#### **TYPICAL PHYSICAL PROPERTIES**

| <b>Test Temperature (°F)</b> | <b>Bulk Density (pcf)</b> | <b>C.C.S. (psi)</b> | <b>CMOR (psi)</b> | <b>Apparent Porosity (%)</b> | <b>Permanent Linear Change (%)</b> |
|------------------------------|---------------------------|---------------------|-------------------|------------------------------|------------------------------------|
| 220                          | 159 - 165                 | 8000                | 1600              | 14 - 18                      | -0.1 to 0.0                        |
| 1500                         | 157 - 163                 | 10000               | 2000              | 17 - 21                      | -0.3 to -0.1                       |
| 2732                         | 152 - 158                 | 11000               | 2000              | 17 - 21                      | 0.0 to +0.6                        |

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